Stephen Reeves 10/11

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A civil engineer’s goal is to help improve society by constructing buildings, bridges, and many other structures. Engineers view disabled people in a very specialized way. Engineers recognize that they have to accommodate designs of buildings for disabled people. This can vary in many ways. It may include ramps, specialized elevators or other means of access. Universal design is an idea that engineers can design structures with easy access for both the abled-bodied and the disabled. This will provide all people with easy access to buildings and sidewalks, without any inconvenience to anybody. Universal design techniques have a very broad spectrum; they may range from ramp like entrances to wider doors and hallways.

A civil engineer’s standard writing methodology consists of preparing technical reports, written specifications, and design drawings. Technical reports are an engineer’s main method of communicating of his analysis of a site, whether it is a bridge or a building. Most technical reports are followed by a design drawing describing the work site condition and analysis. The ASCE (American Society of Civil Engineers) has prepared a manual of the standard for writing by an engineer. In this manual it explains what dictionary and terminology should be used by a civil engineer, how the writing is presented, and what format documents should be in. An engineer’s writing needs to be regulated because people everywhere need to be able to understand what the engineer is talking about, and hence a properly formatted document is important.